

ADVANCED PLANNING BRIEFING TO INDUSTRY

TANK & MEDIUM CALIBER ARMAMENT SYSTEMS

**Mr. Bruce Potter
Business Manager
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BRIGADE COMBAT TEAM



TANK & MEDIUM-CALIBER ARMAMENT SYSTEMS MISSION

Provide the Army and the Department of Defense With World Class Direct Fire Main Armaments for Use in Ground Combat Weapons Platforms

Platforms Include - Abrams Tank, Bradley Fighting Vehicles, Mobile Gun System and Future Combat System

Medium-caliber Ammunition



105mm/120mm Tank Ammunition

PM TMAS

MAJOR ON-GOING INITIATIVES

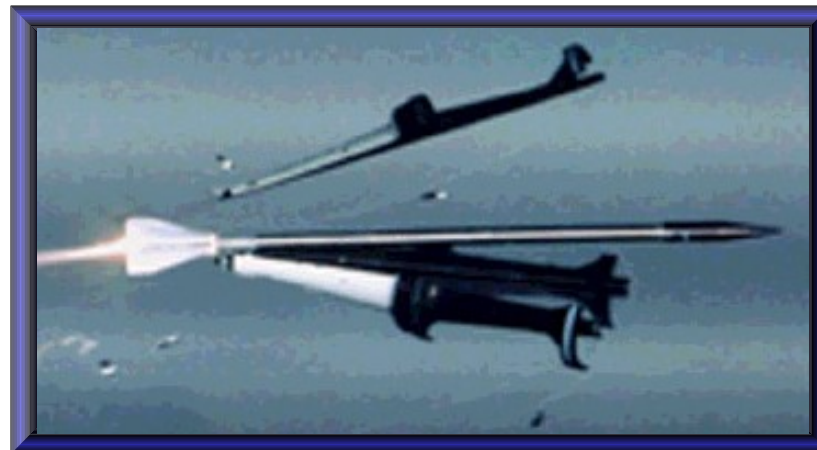
DEVELOPMENT

- 120mm Cartridges
 - M829E3 Kinetic Energy Cartridge ([Alliant](#))
 - XM1002 Multi-Purpose Anti-Tank (MPAT) Trainer ([Alliant](#))
- 105mm Mid-Range Munition ([Alliant](#)) ([Raytheon](#))



PRODUCTION

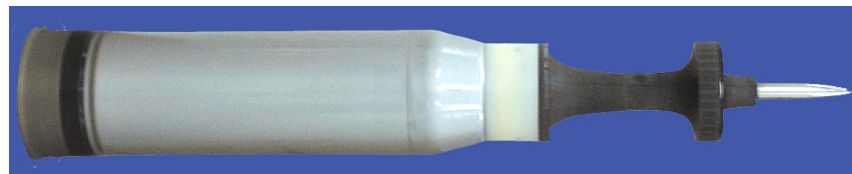
- 25mm M919 Kinetic Energy Cartridge ([General Dynamics](#))
- M829E3 Kinetic Energy Cartridge ([Alliant](#))
- 120mm M830A1 Multi-Purpose Cartridge ([Alliant](#))
- 120mm XM908 High Explosive, Obstacle Reduction Cartridge ([General Dynamics](#))
- 120mm Advanced Tungsten Kinetic Energy for Egypt ([General Dynamics](#))



FY02 (EXISTING R&D CONTRACTS)

■ M829E3 (APFSDS-T)

- Contract w/Alliant
 - ➔ EMD Complete in FY02
 - Production Starts: FY02



■ XM1002 (TPCSDS-T)

- Contract w/Alliant
 - R&D: FY00-FY03
 - Production Starts: FY04



■ Mid-Range Munition

- Contracts w/Alliant and Raytheon



FY02 (EXISTING PRODUCTION CONTRACTS)

- **XM908 (HE-OR-T)**
 - Contract w/General Dynamics
 - Deliveries Complete - FY02
- **M830A1 (MPAT-T)**
 - Contract w/Alliant
 - Army Deliveries Complete - FY 02
- **KEW-A1/A2 (Tungsten APFSDS-T for Egypt)**
 - Contract w/General Dynamics
- **M829E3 (APFSDS-T)**
 - Contract w/Alliant
- **M919 (APFSDS-T)**
 - Contract w/General Dynamics
 - Deliveries Complete - FY03

POTENTIAL OPPORTUNITIES FY02/03

- **120mm XM1028 CANISTER**
- **120mm M830A1 USMC Buy**
- **105mm AMMO for MGS**
- **25mm TP-T M910E1**

CTG, 120MM, XM1028, CANISTER

■ Acquisition Strategy - Competitive Best Value Award

- U.S./Canada
- Performance Specification
- Gov't Design/Test Data Provided for Info

■ Program Strategy

- Contractor R&D Effort: FY02-FY03
- Low Rate Prod. FY03: 2000 Cartridges
- Full Rate Production
 - ➔ FY04 - FY07: 8000 Cartridges Per
 - FY08: 6000 Cartridges



NEW MGS MUNITION

- **High Explosive (*11,500 Total* for Tactical and Ramp Up to 15,000/year for Training Cartridges)**

- **Defeat a Standard Infantry Bunker and Create an Opening in Double Reinforced Concrete Walls Large Enough for an Infantry Soldier and Equipment to Pass Through (2' X 4')**

- **Performance Specifications (U.S. Tech Data Provided For Information Only)**

- **Based on Current 105mm Ammo Brought to Current Safety Standards (e.g. Dual Safe Fuze) As Threshold With Aggressive Performance Levels As Objective**

- **Full and Open Competition (Tactical)**

- **Non-Developmental Item (NDI) Acquisition**
- **Best Value Award**
- **North American Production Required (Training)**

- **Award in 3QFY02**

CTG, 105MM, XM1040, Canister

■ Acquisition Strategy - Competitive Best Value Award

- U.S./Canada
- Performance Specification
- Gov't Design/Test Data Provided for Info

■ RDTE FY03-04, Follow-on Production



CTG, 25MM, M910E1, TP-T

- **Acquisition Strategy - Competitive Best Value Award**
 - U.S./Canada
 - Performance Specification
- **RDTE FY03-04, Follow-on Production**
- **Will replace M910 TPDS-T**

SUMMARY

- **Opportunities May Exist With:**
 - **120mm Canister and M830A1**
 - **105mm Ammo for MGS**
 - **25mm M910E1**
- **Sub-Contracting Through System Contractors**
- **Opportunities - Funding and Requirement Dependent**

**PM POC: Mr. Bruce Potter, 973.724.4173,
bpotter@pica.army.mil**